COMPLETE LISTING OF THE CLAIMS

The following lists all of the claims that are or were in the above-identified patent application. The status identifiers respectively provided in parentheses following the claim numbers indicate the current statuses of the claims

1. (Previously Presented) A device comprising:

a sub-mount containing conductive traces exposed at a first surface of the submount:

a die mounted on the sub-mount and containing an edge-emitting laser that is electrically coupled to the conductive traces: and

a reflector positioned to reflect an optical signal from the edge-emitting laser through the first surface and through the sub-mount.

- (Original) The device of claim 1, further comprising an alignment post attached to the sub-mount where the optical signal emerges from the sub-mount.
- (Previously Presented) The device of claim 1, further comprising a lens in the path of the optical signal.
- (Original) The device of claim 3, wherein the lens is integrated in the sub-mount along the path of the optical signal.

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- (Original) The device of claim 3, wherein the lens comprises a diffractive optical element.
- (Original) The device of claim 1, wherein the reflector comprises a portion of an inner wall of a cavity in a cap overlying the die.
- 7. (Original) The device of claim 6, wherein the cap attaches to the sub-mount to hermetically seal the die in the cavity.
- 8. (Original) The device of claim 1, further comprising a transparent encapsulant attached to the sub-mount and encasing the die.
- 9. (Original) The device of claim 8, wherein the encapsulant comprises silicone.

10. (Previously Presented) A process comprising:

from the laser is reflected through the sub-mount.

- mounting a die containing a laser on a surface of a sub-mount;
 electrically connecting the laser to electrical traces in the sub-mount; and
 attaching a reflector to the sub-mount in a position such that an optical signal
- 11. (Original) The process of claim 10, further comprising attaching an alignment post to the sub-mount where the optical signal emerges.

- 12. (Original) The process of claim 10, further comprising encapsulating the laser in a transparent material that protects the laser.
- (Original) The process of claim 12, wherein the transparent material comprises silicone.
- 14. (Original) The process of claim 10, wherein the laser is an edge-emitting laser.
- 15. (Original) The process of claim 10, wherein electrically connecting the laser comprises connecting a plurality of lasers to a sub-mount wafer that includes the submount.
- 16. (Original) The process of claim 15, further comprising cutting the sub-mount wafer to separate the sub-mount from similar sub-mounts.
- 17. (Previously Presented) The process of claim 10, wherein the reflector reflects the optical signal through the surface on which the die is mounted.
- 18. (Previously Presented) The device of claim 1, wherein the die is mounted on the first surface of the sub-mount.

- 19. (Previously Presented) The device of claim 18, further comprising an alignment post attached to a second surface of the sub-mount where the optical signal emerges from the sub-mount.
- 20. (Previously Presented) The device of claim 1, wherein the first surface is substantially planar.